

ABSTRACT OF THE DISCLOSURE

A fuel filter for removing fuel impurities, particularly thiophenes, includes a hollow housing having a filter element therein. The filter element includes a substrate, which may include a nonwoven fiber web, a plurality of particles, or both of these. Where particles are used, the substrate may be homogeneous or may be a mixture of different particles. The substrate may include a sorbent selected from the group consisting of metals, metal oxides, metallic salts, organometallic compounds, catalysts, and oxidizing agents. Optionally, a sulfur-treating reactant may be operatively associated with the substrate to reduce the concentration of thiophenes in fuel passing through the filter.

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